Claims

1. Wooden material panel, in particular wall, ceiling or floor panel, including a surface coating applied at least on parts thereof, which comprises at least one layer of plastics, the Shore hardness A of which is up to 90, preferably up to 80, particularly preferred up to 65, advantageously up to 50, particularly advantageously from 20 to 60, preferably from 30 to 40.

2. Wooden material panel according to claim 1, including at least one layer of plastics, wherein as a plastics a thermoplastic plastics is employed or a mixture of plastics, which contains at least one thermoplastic plastic.

3. Wooden material panel according to claim 1, including at least one layer of plastics made of polyolefin, a reactive polyolefin (POR), a polyurethane (PU), an ethylene-vinyl-acetate (EVA), polyester or an epoxide, a mixture of the aforesaid plastics or a mixture of plastics containing at least one of the aforesaid plastics.

4. Wooden material panel according to claim 1, including at least one layer of a plastics or a mixture of plastics, which is transparent, filled, in particular, with mineral or organic filler and/or coloured.

5. Wooden material panel according to claim 1, including at least one layer of plastics, wherein the thickness of such layer is between 20 µm and 300 µm, preferably up to 40 µm, particularly preferably up to 70 µm, advantageously up to 100 µm, particularly advantageously up to 150 µm, in particular up to 250 µm.

6. Wooden material panel according to claim 1, characterised in that the at least one layer of plastics forms part of a multiple layer surface coating on a surface of the wooden material panel.

7. Wooden material panel according to claim 6, characterised in that the at least one layer of plastics is an externally exposed layer or a non-externally exposed layer.

8. Wooden material panel according to claim 1, characterised in that at least two layers of plastics have been applied onto the wooden material panel.

9. Wooden material panel according to claim 8, characterised in that at least one layer of plastics has been applied onto each of the main surfaces of the wooden material panel.

10. Wooden material panel according to claim 1, characterised in that at least two layers of plastics have been applied onto at least one main surface of the wooden material panel.

11. Wooden material panel according to claim 10, characterised in that between the at least two layers of plastics at least one layer of another material, in particular a material having a different Shore hardness A, is provided.

12. Wooden material panel according to claim 6, characterised in that the at least one layer of plastics borders onto a layer of synthetic resin, in particular onto a varnish layer.

13. Wooden material panel according to claim 6, characterised in that the at least one layer of plastics borders onto a layer of paint.

14. Wooden material panel according to claim 6, characterised in that the layer of plastics has been coated onto a layer of bonding agent or that onto the layer of plastics a layer of bonding agent has been applied.

15. Wooden material panel according to claim 1, characterised in that the layer of plastics is elastic, in particular resumes its original shape after a mechanical load is removed which had resulted in a deformation.

16. Process for the manufacture of a wooden material panel, including a surface coating, in particular of wall, ceiling or floor panels, wherein at least one layer of plastics having a Shore hardness A of up to 90, preferably up to 80, particularly preferably up to 65, advantageously up to 50, particularly advantageously of from 20 to 60, preferably of from 30 to 40 has been applied to the surface of the wooden material panel.

17. Process according to claim 15, characterised in that the layer of plastics is applied in a thickness between 25 µm and 300 µm, preferably up to 40 µm, particularly preferably up to 70 µm, advantageously up to 100 µm, particularly advantageously up to 150 µm, in particular up to 250 µm.

18. Process according to claim 15, characterised in that the layer of plastics is applied by means of rollers.

19. Process according to claim 15, characterised in that the layer of plastics is applied at a temperature of more than 80°C, preferably above 120°C, particularly preferred above 160°C.